



2870

PATENT

Attorney Docket No. 3291.7

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: David C. Kulp

Serial No: 10/063,559

Filing Date: May 2, 2002

**Title: Method, System, and Computer  
Software for Providing a Genomic Web  
Portal**

Examiner: Carolyn Smith

Group Art Unit: 1631

**2<sup>nd</sup> SUPPLEMENTAL INFORMA-  
TION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying U.S. Patent & Trademark Office's Modified Form-1449 are called to the attention of the Examiner for consideration in connection with the above-identified patent application. In accordance with 37 CFR 1.98, a copy of each cited reference is enclosed herewith.

Citation of these documents shall not be construed as (1) an admission that the documents are necessarily prior art with respect to the instant invention; (2) a representation that a search has been made, other than as described above; or (3) an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

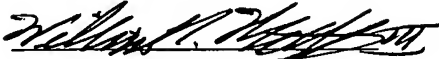
Applicants believe that no fee is required for submission of this statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby

authorized to charge the required fees to Account No. 01-0431 in order to have this Information Disclosure Statement considered.

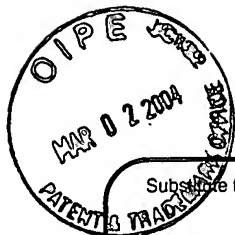
Dated: Feb. 27, 2004

Respectfully submitted,

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2071



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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

**Complete if Known**

Application Number	10/063,559
Filing Date	5/2/2002
First Named Inventor	David C. Kulp
Art Unit	1631
Examiner Name	Carolyn Smith
Attorney Docket Number	3291.7

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	21	US-2003/0054394 A1	3/20/03	Chin et al	
	22	US- 2003/0092053 A1	5/15/03	Kwon	
	23	US- 2003/0097222 A1	5/22/03	Craford et al	
	24	US- 2003/0099973 A1	5/29/03	Wang et al	
	25	US- 2003/0108865 A1	6/12/03	Inoue et al	
	26	US- 2003/0113756 A1	6/19/03	Mertz	
	27	US- 2003/0124539 A1	7/3/03	Warrington et al	
	28	US- 2003/0124589 A1	7/3/03	Piper	
	29	US- 2003/0125315 A1	7/3/03	Mjalli et al	
	30	US- 2003/0130801 A1	7/10/03	Kagan	
	31	US- 2003/0134320 A1	7/17/03	Barrus et al	
	32	US- 2003/0152969 A1	8/14/03	Quake et al	
	33	US- 2003/0158671 A1	8/21/03	Gajiwala	
	34	US- 2003/0167131 A1	9/4/03	Chemama et al	
	35	US- 2003/0171875 A1.	9/11/03	Frudakis	
	36	US- 2003/0176976 A1	9/18/03	Gardner	
	37	US- 2003/0180766 A1	9/25/03	Farnet et al	
	38	US- 2003/0182066 A1	9/25/03	Konishi	
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	39	EP 1 043 667 A2	10/11/000	Jorn Saischek		

Examiner  
SignatureDate  
Considered

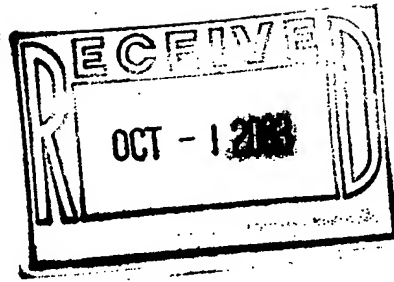
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

*Matt Kasap*

REGISTERED PATENT AGENT, PRESIDENT



*Matt Kasap, Inc.*

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September 30, 2003

Phillip McGarrigle  
AFFYMETRIX, INC.  
3380 Central Expressway  
Santa Clara, CA 95051

RE: Patentability Search for "METHOD, SYSTEM AND COMPUTER  
SOFTWARE FOR VARIANT INFORMATION VIA WEB PORTAL"  
Reference No. 3291.7/PCT

Dear Phillip,

A patentability search has been performed on the above subject matter per your request.

The search was directed towards providing biological information such as probe sets identifying targets, collecting this information and analyzing it in a computer, and presenting to a user over a network as a graphical representation of the data.

The following references were uncovered during the search.

2003/0092053

The following references disclose various methods for analyzing and comparing biological molecules in a network environment.

2003/0099973	2003/0108865	2003/0113756
2003/0124539	2003/0125315	2003/0009296
2003/0130801	2003/0134320	2003/0182066
2003/0180766	2003/0171875	2003/0167131
2003/0158671	2003/0040870	6,600,996
6,611,767	6,584,410	6,505,125

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The following references disclose various computerized methods for analyzing biological molecules.

2002/0183933	2002/0165674	2002/0147549
2002/0187464	2002/0168784	2002/0150932
2002/0098508	2002/0059030	2002/0052692

The following references are disclose as of interest.

2003/0176976	2003/0036857	2003/0124589
2002/0045169	2003/0152969	2003/0054394

The following areas were searched.

Class 702	Subclasses	719, 720
Class 706	Subclass	6
Class 435	Subclass	4, 6

All subclasses in Class 536 were searched in combination with text.

#### CLASSIFICATION TITLES

CLASS 702	DATA PROCESSING SYSTEMS: MEASURING AND TESTING
CLASS 706	ARTIFICIAL INTELLIGENCE
CLASS 435	MOLECULAR BIOLOGY
CLASS 536	ORGANIC COMPOUNDS

File integrity was not checked.

An extensive keyword search was done on EAST, JPO, EPO

The search can be further extended into the following areas:

Class 536/24.3, 24.31, 24.32

Class 530

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September 30, 2003  
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If I can be of further service in this matter, please do not  
hesitate to contact me.

I remain

Respectfully,

Matt Kasap

AMK/dsz/lk/ay  
Enclosures